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NEWS OF THE WEEK U.S. Plans Jet Liner Ceiling

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United May Call Off Coach-Seating Fight

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Seven-Man Committee To Study Defense

Defence Department has a new seven

· Chairman Nichan A. Racheleller, star

· Rabon A. Louett, former Security of

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tions until necess. Too shorts down the most discovered of the XD-2 in it from venous error, role and combat place per Continental 105 Markey III. Most of the Asiation Week Feb. 23 p. 17

Prop Reversal

· CAA safety director calls it vital aviation problem.

Navy Test Flies AI-2 · But no positive remedy has been determined yet. What is the most vital single avertime

eyphicus of madenetical propeller as especo, piets, propiler monato rates a divergence of opinion about p. 7) called for adaption of the lear-

remediation. A sefficient information would be provided by surging a grange cert Admer' Course 140 wale a forced

He pointed out that the scheduled Sampling Savings Devid Person technical staff alreasy could and franc consuming according to Horsies, who has had chose of m the tortes of sterrit review mercand U.S.

Mechanic School Envolments Drop recognited to \$9,000 manhours, 1,174

Carrier-Based Bomber Dodge's contrason sampling plus. test Warlet of the AI 2 games bound

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> reaferstion. Builders Ship 254 Planes, 519 Engines

Factors contribution to the extend cost valued at \$16.5 million new

> The apparted to 763,000 h to cirring the last month of 1952 totaled entire disposets was \$2.5 values a news of \$2.8 rullion Eague monetotrers shoped out 15% may rather aroust canaca at

AVIATION WEEK

MARCH 2, 1953

Forecast for Air Power Industry Heads for New Peak; Sales Boom

THIS WILL BE A GOOD YEAR FOR AVIATION. Both manufactures and actives appear headed for sol-Siles volume of the 15 minufactures that companie year by more than a biffing defley over the \$4 Linthon sales total for 1992. Airline revenues should show a 20 to 15% rise over the \$1.2 billion total for 1592. Marvalactures of conveneral transports have their capacity booked solidly for 1913 with a large backing colleg over into 1954. The bergenrag helicopter industry extered 1953 with a backles of most than half a billion dollars and is facine the based year in its

Mobilization at Mid-Passage

MILITARY AIRCRAFT PRODUCTION chirched atrackly desire 1952. Early this year prodoction proched the altitude at which it is scheduled to craite until the middle of 1994. At redomner he tween the budy Kasers mahilington of 1935 and redute produced shout 9,000 religior about dering total terest of shirbsty more than 14,000 planes for 1953 The 1992 wanderting rate is about triple that of 1990

the peak level of their rarber postwar boom and face the mounted of confirmed risks takes thenach 1955

THE PRODUCTION RECORD of the calcular \$10 billion appropriated in fiscal 1934 for becomes the afford by Convenient aggregate in Kores and else when around the promotes of the free world. Since they and \$13.5 billion in Social 1953 The S40 Nillion representated stone food 1950 also the 58.5 billion requested in the fount 1954 hadest repre-Face to 143 combat wings; expend and moderaine 16

Next air carries somes and their expection aviation.

porting forces.

be solely for replacement of normal attrition and comban by the rubbary for ascraft is concided to total \$15. 59.3 billion for military production. These consultaries current reported in the facal 7956 badest which is gress. The effect of the focal 1954 budget will not be

COMPLETING MOBILIZATION GOALS existtabed on 1950 well been the sprendt industry fully occu-

production have has been vertually completed but the birent and of its production professioners still his about Although some 15,000 planes have been delivered to the military stace Kness, the industry still has a backlost of about \$1,000 places to be built for the Air Force. New Markey and Army plan shout 4,000 for Engages nations under MDAP and however more of the 5,500 that although \$17 hillion has been spent on already more foral 1990 more than 523 billion at \$1 remains to be actually most, although all but a read percentage of those feerly have aboutly been expensived for specific

Production Problems

WORST OF THE PRODUCTION HEADACHES with standing blocks. Machine took are no legar a maching took is still a problem, particularly in the jet to estand some arthurst processes, periodistly New sixpercen engines where the automobile monufactuon because are burine in needscore, while oriered repre-Inchesers are phasing out piston production to concer-

taste on sets. Assess materials, the shoeture of model

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then 100,000 additional workers denote 1973 to have the Daries 1952 the smouth industry because the second barest single-industry employer in the United States. THE PROBLEM NOW MACINE DEPENSE

Retaining the Base

program is not so allows effort general to most the to meet the requeements of a "cold" was end to build on industrial base expedits of marriage full mobilization. This firsted moreon will take more bose should ment, sales and putpet darme 1971. But an even greater effort would be required to meet fell rachitisation receivements. Twice within a conception the arplaneers made the same exhausted postules. Each tone two-year boustleng spell will not be available array. The expetition of the traditional elevati resolution

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rather than expendent USAF propriessage denets. Then, although the aircraft rendertion these beyond 1956 cold

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Storm Warnings THERE ARE TWO GRAY CLOUDS on the

courtes become emiral this remembe may buttered First stores closed in healdfor up on Capital Hill where a noisy and politically powerful group in the 63rd Courses is attempting costic slighes in the budget Second shoul it budge out of the ict exhausts of British protection provened transports that offer the first formidable competition to America equipment does instant of interactional airliers since the late 1920s.

Democrats belitering also Republican majorities, is also Bust to heart colliture expenditures of funds already Neural to cut the focal 1954 budget by about

Although the real effects of an expenditure limitation It would portend economic those for following sum Variable every responsible authority with any overvience with delense planning and military production has worsed that this would be the therent folly-in fact offerne no and economy and throwing the delense perbeganing to achieve its goals. There will be violent concertion to this form the Defense Department, the county endantes and case the White House hed it is difficult to discern now how indiscrementaly the con-

THERE ARE CERTAIN TO HE CUTS in the fired construction and the kit prototype testing proposals duction asperson levels off and finencing of sudartest INTERNATIONAL AIRLINES REPORT they set

new curryer second traffic and preceding the largest needts in their besters. This is due breeds to the economic effectors of Assertion-built pieces powered tureports that are now reaching the pierrack of a thetypowered turnment is reaching its neal, the jet transport posed to eventual suppressors on the development curve The theret of Reitish let treasuret connectition will some sharing 1993 and account fato a modifier of forests. one evolving for the next five years-entit American let economic sithme perfectance supersor to the British -Robert Hotz. products.

predicted in our bistory



· Three years and souny billions have bought present

USAF Climbs Toward 143-Wing Level

100-wing force; planned strength is in sight · But need is seen for continuing appraisal of program, depending on Russian air developments.

> should the entire of the collitical securi nor the turbuplostical psychoton in

which we are. There is a burden on the Air Face to price its own calculations

M. suid-ble pridence on Reserve on

. Harries development of the stonic

· Basson development of a long-stage

Re Rabert Hate center of bread actional strongy and its leaders must think in these terms America or power is faulty highdefine operational political scene next of meletary weapons. Findetter calculated in 1951 a sourtly the areas

ferac in the Air Perce. Although tay algentus. Deroy the past four Force with mostler \$17 billion relies is expected to provide for expenstrongth of 48 combet wongs and less dightly more than a colling race by By more rical standards this terror But he the new pullbary standards

street proper and may speed. the modern 145-way. Ale Force will Windster Womann-The transcriber

. Fear of rempleceurs to the Ast Force

me the colors there was teld of the

the Force's ability to deliver it were alway on the West was correct in appear ing the Berlin blockade cross of 1946 Reason storag stockaste and beweley first that recepts of difference in Givin

the Keepers sell have sufferest stories There, as one veteran combet alcuse two adversaries each with a hoded of difference how miny other Ale one or the other has on a nearby table. The The Rentus Yurldick-Le Gen the Baranta new love "sheet 1,50 for reservinte posteur extremetoral gets as the reservinte future would



power ma move process. Finisher would be the Common for the SARKE SCRAYBLE Rightly period Fife of the Enter-Secretor Wire in Nove-



P Vandenberg Opinina-General Host Vendeaberg, USAF Chief of \$10ff, 10-

Taday there are for more MG-15s no most than one fired of a knowle on attrack named U.S. turney. The 100 Severt boudens that would be destroyed Other significant facts on Rassian

· Room his been cetacolerus the terring cet about 12,000 placer a · Receipt abreadt per pet inferior from

votinges the MiC-15 and the Solve

then there are Sohou in Albed squad-Billarian by Browlerach the Lebe-There has been a tendency by official

sources to unleasure the potential of the face of Restan-budt IL-25s in Manchests. But reseitseed resolut virging our frank to admit that a layerunit commitment of there let bombers supported by a followale MIG-15 effort could eatily tip the scales of the Korran In the critical area of let coming . Rends has not fixous designs and from the base Soher draigs. Combat voterous of MiG Alley have been reporting appearance of new Ran-

Major USAF Commanda

Ar Frong Count Comment—
Ects AFR Fig.

as most proposed, there is evidence, the Koreas was if his more than donthat approved gas turbine powered types evaluated both used and many mesons and close to a pullion may with a good

P.New Policy Needs The evaluate makes at along that there is no where for potaphornory either at the Art Force or specific arrestly solution to them. It Sont Contynational Air Policy Group

professe dost to the indifference to postwar storac removado These are many who have been wedger with these problems degree the part decade who believe that the make it exceeded that a new evaluation

Hombard remo of different and both lation. In fact the Position's Air Police Commerces of 1947.45 word reather USAF new finds itself forms prob-

global operations of the Array Art France "told" war in Econor. It is expect in in history access 7,600 ms. of Panda Oceas Solone the Keepen bertlefronts with California supply depots. Since

For a near the two F-66 Sobre wange beiding the line is MiG Alley orpocouted almost all the peopleting fighten in USAF arrive, and the six de-

Trainer demonstrations

USAF Planes on Hand

Books

and communications equipment and Weh all its billions of dallars USAF

· Studenic sir conster-offensive. · Support of United Nations (Korns) and NATO (Farmed · Air transport for all existers services.

of Staff In addition to its plant Carte.

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stripped here to been sheen going So low did the supply of Salors sink in the O-139 ... Padet

ammon of MaG Alley that 50 Saless

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Types on Order





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Superiors: Plan-The Booing B-12 Planes on Hand-

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Plane Buvine-









- 4) Bepublic F-S4F Thursdeestreek
- 5) North American Editio Solver 6) Northean EJSD Socrator



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Projector of the approprie bomber

ECCTINE REPUBLING at AF fighter like their Therefore has proved the new technoge for categories at street resp.

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ANADOM WITE Much 2, 1962

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concurred in the sir left of engineer problem. It is one of the works probwith a crescal shortner of puton on U. S. Research Aircraft



ANATION WELL MANS 2, 1963





Naval Air Looks To New Strength There is proceed in earrier aircraft design and new water-based planes; but jet engines still lag.

Novel eviction is benegate to expect | birlied up by the Convex debt NF2Y-1 in Sun Diegs hay provided the foral cust that seached the flight test your forecast new ritidaty for Noval sylution

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"ABLE DOG" to New plots, Dougles Streetler is stended New stock books

AMATION WEEK HAVE 2, 1952



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Naval Aircraft on Hand

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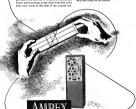
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A new Generation ASW times. the

tank adminish to other the maled will resect from the installation of the angled flight deck and stores extr-The Nove's road promiting bundler. USS Sondays, the second of the Far

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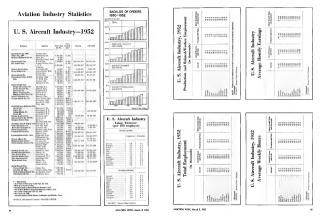




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With Role and they potential as tworth, they could drive Fifth Age breated number of News, Morare and one Barbonaking Fifth Air Frage officer No. source is removated by street ments of other top U S officers in the

of American Salter sets over Renders Nations are and ground operation there

storne in Japan to of insufficient mass. Gen. Glear O. Beccas, commander of Filed Hand-Here, based on year-end

• 1,200 pt fighten, including more than 1,000 MRC-15; plen other ovept-. 200 light bombers, results of the a Close to 100 totalet H-25 conflow

Intercepted Wings. And there is no guarantee that U.S. Salmes could even nadar screen in valuemble in a resempt

rubbery dubact of Clean, within strik-MICHARTED near Yels felts off an night wing before sprease or office, the Chiego and North P.U. N. Hand-Armed on attack or

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New achiere's diseasons in medicated desert doors for the new B-47 High: Hongar built by Bosing Airplane Company at Wickey, Karney Two openings each called for eight scotten-- 66 feet

wide . . . 60 feet high-a most width of 520 feet. Two other had so open undependently - or, all had so operate simul-

neces and Bosons planning and, accould better to develop new concepts in door device to recomplish all that these deers are called upon on do. These steam are entrugified Many have a deer morblem a serviced or commerciate.

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Solves stay in formation at 45,000. In larlow 20,000 feet and that the MkD is surveyor above 20,000. There are been all altitudes and the Mell rate of climb markens, the F-86 Salor is a better in casale manifeld contribute to pur may gis of vetery in the this sir high over

. A dishowskie decision has a the MC plans a spectage apply of the · Superior performance of their six mered class of the MKs, mens that Sebres of the pinne gets tough when be moses in a "gaggle" with the Armen The coulet cars, or the outer level of the Rober's combut radge, is on

• MG relets have the odvantage of

Sobers patrolling is scottered flights P Who Flies the MiChalt is record? picts on Foreign othersh so you love hern weapon! on the fields in

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Recognised as outstanding producers of small parts and close colerance work... with pleasy of Yankee ingensity plus a wide open mind for the best ideas of eithers. In our modern plant we also have the successite screw machines for producing exaller mens on no 13° discretor

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by 8%" long.



Missile Program Still Lags Dangerously

Complexity and unreliability are major stumbling powers In combat are in the field. blocks; but we can home enemy has some troubles.

Page will spend about \$500 pulley. After eight years of research and denot of \$1 billion, we have uncombed other was to look at it. All the Arr may as catching up to the point the Germann proched about a decade agohe space of most-optimistic state-*Hone Corporal E. The Army has net ordered the mirede into penduc non at Frentuse Robber, Comond E. tactical use of pareles. We have no in a wropin we can introductional were no

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POSITIVE . . . A 500-mi. mitally will be ready for trading by the end of this year (2945) --

Golded missiles for ground support will be here "In not more verm."--Clear Lambou Colling 32 S. Army Phied of Staff, in Polymory 1951.

"fairly soon "-Air Force Secretary T. K. Phaletter, in January 1953. From cutified exhade above our absent reads to you the 7th First of Korea "should the war citration contin their our." - Suggraph. 7th First History. office of Vice, Adra, R. P. France, in February 1953 NEGATIVE

"The thing the should of a that if we wont a middle relatife for years from now, make makes to have to hold for Grouns V.2."-Pagest engineer with hore maked mindle woman Some of the those cost as reach to recover country right near "... Admires.

"There's no such thing as production of guided reinfles. The whole program is in an metal erea, and mobale seems to case."-Vice president, leading carebasical products firm

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full use of feverable radio conditions on they shares From a choice of sensoral thousand changels, the caserator pre-adacts the most effective armap of frequencies. a olean and any point on earth. Antonostrolly, the terms,

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SARTEN MATADOR complifies solvenic sirplese practice in missile design

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...when you LEAD them, that's game in the BAG

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WORLD'S RECORDS for speed, altitude and non-stop distance

the September 18 of Behangson face one step from Ft. Worth, Teens, so Nongres Fifth N. Y. a distance of 127/130 roller, pr sn elopad tone of 14 bm, 57 min. 30 ser, breaking all afficial and woodcast percent for helicoper distance higher

to 1960, a Franklin powered Schoolsy 552 between established a new world's skindle record of 2) 200 ft. and a new world's speed record of 129 616 raph. These records still



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HERE'S THE SECRET ... of a NEW wire-mash isolotor that won't change on the lob!



The new Year 7020 and Type 7030 ALL-METL Recommends damper parking. Previous wire-mech test vibration volumes on Milded a defeate less of damping efficiency after a period is account service became the new mesh designs traded to much. These new and Derromands have eliminated this difference because the band

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See these new inclutees to action, and discuss their multiprieses with us, at the New York LEE Show,

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Okay, Engineer-how would you do it?

Instrumentation problems are setting tougher-and that's the way Avien likes them. These days, new ascessft speeds and dissigns call for brand-

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- automatic referring on the ground or in the mr?
- mayby constant within close Emits? 6-How would you design a true break writch control with To solve these problems, a lot of drawing boards were

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AVAITOR MILE MANS 2, 1962

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ANNATION WEEK, March 2, 1951





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Arborne, Far personal planes Rall Area Integral sump A" sax level, delivers 14 cfm at

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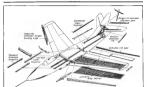
EQUOMETER MOUNTS







MANUFACTURING



STREETIMES of bygotheteral fighter shows how hower peers progress much could be designed into an electron Where AF Heavy Press Program Stands

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· Program phases are moving according to timetable; end of 1954 should see its complete operation

· Philosophy: to offset trend to sireraft complexity by substituting machine time for man hours. By Irvine Stone piece makings in favor of large integral-

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· Action Due on AF Ferre Press Promps-Dec. 24, 1953, p. 13. Big Casting Arrives for Big Press-Oct 6, 1955, p. 63.
 Triggion Made in Henry Fugir Press Art—Nov. 17, 1952, p. 50. . Estradore Gunta Citation Alice-Dec. 1 1962, p. 4

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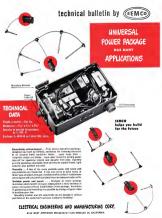
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ANNATION WEEK Manh 2, 1982



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New Materials in Air Picture

Titanium and glass-plastics have promise for new highspeed designs, but much is yet to be done.

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The Eaton Process of Producing Jet Blades is Saving Critical Materials—Reducing Costs by Millions of Dollars

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BETTER PRODUCTS FOR AVIATION



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and mag amplifiers for greater life, reliability, Possibly the most interfectal average changes of successful or transplace, Lock

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This evolutes the USAF's enthusian Jess 16, 1951, p. 65). The Last B-47 "relucion recoder" some conditions as engine federe. See

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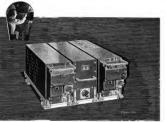
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otherwise dely solution because they would regard a Beltim of compatition using conventional calculating and draws.

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The new hand of railet in Koura has fire while they're still 500 or even 1,000 yards out. Cel Johnston says P Improved Ecolomest Reliability-For a new offer the competing granglet

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Research and Development Calendar—1952
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OCT.-Dought X-I research place gets off ground. Corporal E. manufatiprised statels, is added also purhasses. Corver FEET regressive data wing splits; put production statels. More memorine development of due of usual leyer Scientists 275. As Faure several high-also selepter several memorial Count 3 quantitations splits of the contract quantitation parties.

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AVATION WILK March 1, 1911

for DESIGNERS

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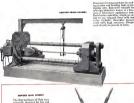
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aimed at high-temperature applications

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Airports by Type

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Gas Turbine and Jet Rotor

Helicopters

1) American Helicopper XB-26 2) Hiller VH-S2 Bernet

- 3) McDonnell Links Henry
- 4) Kaman 225 with Backer 560 engine







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ANATHON WHEN March 2 1987



AIR TRANSPORT

Carriers Face Big Year, Big Problems

· U. S. airlines may show 10-20% gains over '52.

World Air Traffic Gains, 1937-52 · New equipment to force heavier competition. about \$190 pullion to botal about \$1.2 belons on about 23 belons too Species givenue gons are functed for 1953, paced by the horsening do works and interpotational seconds have freety to stellares, and by recreating Major Tarada-Flore are store major

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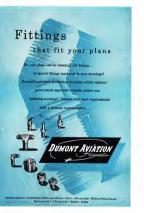
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Br F. Lee Moore

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AVIATION WEEK ANNO 2, 1953







- POSITIONING CONTROLS



















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aircraft and comorrow's guided missile. STRATOPOWER Parties are so outmoding expression of advanced engineering and precision conformatible which compacts power loss mislayum dimensions and least weight practicable. These are constant and variable delivery types with medifications to provide "fraggraph control" either oil priceed

or electrical. There are direct engine driven and also our monadard units in canadities from our expenses to ten gallors per minute at a nominal speed of 1500 spen with continuous working pressures to 5000 pel. (maximum intermitates operation at 4500 ross and normal consisteous agentation at \$750 mm). From operating the elevators, beenly been, est, on



STRATOPOWER Perses offer that complete dependability which makes them as obvious choice. The New York Air Beaks Company, together with its associated

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Contract or Transfer-As unweifed energies at the Defense Descriptors

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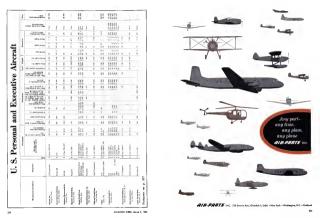
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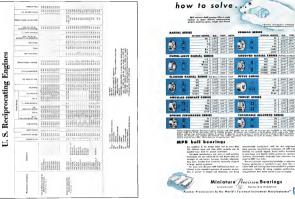
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Who's Building Them

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ANIATION WITH MARK 2 1953

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Howker's Kunnten plant and its new ANATION WEEK, March 2, 1952







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But when modernization program is completed in several years. French plan to take over financing. The Ferreds As: Force got \$700 wall-

Perio-France, the hundred in the deshout 54 lefton in 1992. An recreme that ores at naking the French Acr

ment, will be readed for smooth carry to realise the French Ast Force to medicate its compresent and build up test on how much American will France pots. The Air Manistry has pleas for a

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MYSTERE 2 production fighter.

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In Energy, Person has 29 aquadrons surgered others to the 1st French Age the Metrol (French ventors of the

ANATION WEEK Merch 2, 1953



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UTICA DROP FORGE & TOOL CORPORATION, Utice 4, New York MALERS OF THE PANGUE LINE OF UTICA EEOF FORORD PLIFFE AND ADJUSTABLE WERHEADS s set peting welcom, and it is ex-The Nord 2000 bent by Sucar is

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M-7500 Connectors

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Italy Eager to Help NATO in Air Design progress and engineering effort mark rehirth of

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New Designs

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But the designs our no less interest Mes and Designs-Dervests of the Muchi M.B.324, a jet interceptor with the drawing offices of the designer Benplaces. Place have been work for build.

ne a smaller scale, and with a lestdelts warm has taken shape on the drawier board of Alexandra Maghetta Another of his deapen is a two capies end by the de Hardhard Chest turbo- transport plane, somewhat remaintent of the Europhid Parket At Cascan Costs, new Miller, Pelismo

AVIATION WEEK, Monds 2, 1950

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Industry's View II. Buly righed among the first conntries in exports of planes and acronus-

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Italian Air Force The good for Statute are power in

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. To the Middle East and India, six weekly services

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Code's analysis (432" Res. well up to 116" 9 b

Aviation Looms Large in Canada Budget Industry continues to expand for support of RCAF on customi and eventural depots a netivity at home and in Korea. England and France.

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12% of the enter Consdies budget for the facel near ending Mrs. 31 Appropriations for the Deleuse Ro RCAF personnel use flying with the United States Are Person in Roses nearly Manual and the Louisian Command or for combat expension, while truncate BCAF took delivery life at Neversers, and is continuous to note delicery cutfl for training and recommissings operations. In an official second for conditioned These included Asso ved Masteur, and Douds Deketer.

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116,000 out of a total different budget Oursestion construe at many fields

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AVIATION WIEK, Harch 2, 1953

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Australian Aviation Marks Time Economy wave washes out planned expansion of RAAF

and dilutes present air force activity. Austrilian contribution to the fighting By Marcel J. Grobenck P No U. S. Terreports-Most pointed Mchouse-Economy's see cut the left was the decision not to purchase transport awards from the United

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(McGaw Mil World News)

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